

DRUG DISCOVERY

Thasus gigas Burn: a new treatment for diabetes or nutrimental culture

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Publication History

Received: 05 January 2014

Accepted: 23 March 2014

Published: 02 April 2014

Citation

Echavarría Flores Montserrat, García Torres María Elena, Calderón Ordoñez Marisela Belem, Olvera Luna Alba Grisel, Jesús Carlos Ruvalcaba Ledezma. *Thasus gigas* Burn: a new treatment for diabetes or nutrimental culture. *Drug Discovery*, 2014, 9(20), 18-19

The diabetes type II is a disease where the organism cannot produce or use insulin correctly. The insulin is a hormone that transforms the sugar, starch and food in energy so that it can make use of it. Although the genetic and physical factors, such as obesity and the lack of exercise affect the health of a person, the real cause of diabetes is unknown.



Objective

Determining the benefits that people, who suffer from diabetes type II, obtain by eating the bedbugs “Xohues” or “shamues” (*Thasus gigas*). In addition, this project aims to diagnose how this food intake affects medical treatments. An exploratory study was conducted; surveys among residents of the community of Santiago Tulantepec and residents of the city of Actopan, both in the state of Hidalgo were asked to participate in a survey. The survey mentioned was applied to 50 people from both populations. It is important to mention that the participants suffered from Diabetes Mellitus type II and the investigation aimed to investigate the effects of Shamues or xohues intake and their use as medical treatment to diabetes. The levels of glucose in people interviewed initial average glucose was 184 mg / dl. With a minimum of 33 mg/dl and a maximum of 394 mg/dl The people had pointed out to feel better with the intake of these insects, although most of the population did not

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continue with the medical treatment afterwards, 5% detachment has had his medical treatment, this represents an imminent risk for the population. It was found that the period of growth of these insects takes place during the months of June and August, during the month of September these insects are adults, and the adults are not eaten by the people, unfortunately the investigation was developed during this month. The bedbugs are eaten in nymphal state, before adulthood. These insects are not common in the community of Santiago Tulantepec, Tulancingo, Hidalgo; in this place their consumption is not common. In addition, in the municipality of Actopan, Hidalgo there is a district where it is easy to eat these bugs, the style of cooking those is varied, it depends on each person, however it is important to clarify that the consumption is seasonal, that is why if someone visits this region in the months of September through May, they will not find these bugs. Figure 1, shows some pictures of these bugs. According to testimonies collected in Hidalgo, the bedbugs not only help for diabetes, also in some respiratory diseases, people eat Xamuies as an alternative treatment. It is worth mentioning that participants were interested in knowing the results obtained from this research.

Conclusion

Despite all the advancements in medicine a cure for diabetes has not been yet discovered. The data collected through the interviews showed that home remedies are popular among communities such as those in Actopan. One of the reasons why alternative and natural medical remedies are commonly used is due to the lack of access to health insurance services and to the lack of economical possibilities to afford allopathic medicine. Moreover, the main reason why these insects are highly consumed by the inhabitants of the communities is because they feel that their health is improved and the symptomatology of diabetes reduces (Echavarría et al, 2013).

REFERENCE

1. Echavarría Flores M, García Torres ME, Calderón Ordoñez MB, Olvera Luna AG, Ruvalcaba Ledezma JC. The bedbug "Xamuies" (*Thasus gigas*), a new treatment for diabetes or nutrimental culture. *Int. J. Res. Ayurveda Pharm.* 2013, 4, suppl 6, 881-884